



**SLOVENSKI STANDARD**  
**oSIST prEN IEC 62769-4:2022**  
**01-maj-2022**

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**Integracija procesne naprave (FDI) - 4. del: Paketi FDI**

Field Device Integration (FDI) - Part 4: FDI Packages

Feldgeräteintegration (FDI) - Teil 4: FDI-Packages

Intégration des appareils de terrain (FDI) - Partie 4: Paquetages FDI

Ta slovenski standard je istoveten z: **prEN IEC 62769-4:2022**

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**ICS:**

25.040.40	Merjenje in krmiljenje industrijskih postopkov	<a href="https://standards.iteh.ai/catalog/standards/sist/6924f85d-7057-4849-b48b-41e562aea382/osist-pren-iec-62769-4-2022">oSIST prEN IEC 62769-4:2022</a> <a href="https://standards.iteh.ai/catalog/standards/sist/6924f85d-7057-4849-b48b-41e562aea382/osist-pren-iec-62769-4-2022">https://standards.iteh.ai/catalog/standards/sist/6924f85d-7057-4849-b48b-41e562aea382/osist-pren-iec-62769-4-2022</a>	Industrial process measurement and control
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# 65E/857/CDV

## COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER:

**IEC 62769-4 ED3**

DATE OF CIRCULATION:

**2022-03-04**

CLOSING DATE FOR VOTING:

**2022-05-27**

SUPERSEDES DOCUMENTS:

**65E/824/RR**

IEC SC 65E : DEVICES AND INTEGRATION IN ENTERPRISE SYSTEMS	
SECRETARIAT: United States of America	SECRETARY: Mr Donald (Bob) Lattimer
OF INTEREST TO THE FOLLOWING COMMITTEES: SC 65B, SC 65C	PROPOSED HORIZONTAL STANDARD: <input type="checkbox"/> Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.
FUNCTIONS CONCERNED: <input type="checkbox"/> EMC <input type="checkbox"/> ENVIRONMENT <input type="checkbox"/> QUALITY ASSURANCE <input type="checkbox"/> SAFETY	
<input checked="" type="checkbox"/> SUBMITTED FOR CENELEC PARALLEL VOTING <input type="checkbox"/> NOT SUBMITTED FOR CENELEC PARALLEL VOTING <b>Attention IEC-CENELEC parallel voting</b> The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting.  The CENELEC members are invited to vote through the CENELEC online voting system.	

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TITLE:

**Field Device Integration (FDI) - Part 4: FDI Packages**

PROPOSED STABILITY DATE: 2025

NOTE FROM TC/SC OFFICERS:

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## CONTENTS

1			
2			
3	FOREWORD .....		10
4	1 Scope .....		12
5	2 Normative references .....		12
6	3 Terms, definitions, abbreviated terms and acronyms .....		13
7	3.1 Terms and definitions .....		13
8	3.2 Abbreviated terms and acronyms .....		14
9	4 FDI Package Model.....		14
10	4.1 Overview .....		14
11	4.2 FDI Package Elements .....		15
12	4.2.1 Package Catalog.....		15
13	4.2.2 Package Feature Table .....		16
14	4.2.3 Feature Unit Conversion .....		16
15	4.2.4 Electronic Device Description.....		16
16	4.2.5 User Interface Plug-in .....		16
17	4.2.6 Attachment.....		18
18	4.3 FDI Package Types .....		18
19	4.3.1 FDI Device Package .....		18
20	4.3.2 FDI Communication Package .....		19
21	4.3.3 FDI UIP Package .....		20
22	4.3.4 FDI Profile Package .....		20
23	5 FDI Package implementation .....		22
24	5.1 Packaging technology .....		22
25	5.2 Use of Open Packaging Conventions .....		22
26	5.2.1 Unknown Parts.....		22
27	5.2.2 Invalid Parts.....		22
28	5.2.3 Unknown Relationships.....		22
29	5.2.4 Interleaving.....		22
30	5.2.5 Core Properties.....		22
31	5.2.6 Thumbnails .....		22
32	5.2.7 Digital Signatures.....		22
33	5.3 FDI Package Parts .....		23
34	5.3.1 Package Catalog.....		23
35	5.3.2 Package Feature Table .....		24
36	5.3.3 Electronic Device Description.....		24
37	5.3.4 User Interface Plug-in .....		24
38	5.3.5 Attachments.....		27
39	6 FDI Package Versioning.....		30
40	6.1 Version Scheme .....		30
41	6.2 Versioned Elements .....		31
42	6.3 Version Hierarchy.....		31

43	6.4	UIP Compatibility.....	33
44	7	Digital Signatures and Registration Certificates.....	34
45	7.1	Signed Elements and Certification documents .....	34
46	7.2	Signing mechanism .....	35
47	7.3	FDI Package Originator, FDI Registration Authority .....	35
48	7.4	FDI Host behavior .....	36
49	Annex A (normative)	File name conventions.....	37
50	A.1	Identification .....	37
51	A.2	FDI Package filename convention .....	37
52	Annex B (informative)	FDI Package Creation.....	38
53	B.1	General .....	38
54	B.2	Tools and Components.....	38
55	B.2.1	Overview.....	38
56	B.2.2	FDI Reference Implementation/Common EDD Engine .....	38
57	B.2.3	FDI Package IDE .....	38
58	B.2.4	FDI Device Package Conformance Test Tool .....	38
59	B.3	Development.....	38
60	B.3.1	FDI Package core development.....	38
61	B.3.2	User Interface Plug-in development .....	39
62	B.3.3	FDI Package Attachment development.....	39
63	B.3.4	FDI Package binding and packaging .....	39
64	B.3.5	Conformance Test.....	40
65	Annex C (informative)	FDI Package deployment.....	41
66	C.1	General .....	41
67	C.2	Scenarios.....	41
68	C.2.1	FDI Package deployment to PC based client/server systems.....	41
69	C.2.2	FDI Package deployment to an FDI standalone system .....	42
70	Annex D (informative)	Example .....	44
71	D.1	General .....	44
72	D.2	Open Packaging Conventions.....	44
73	D.2.1	Overview.....	44
74	D.2.2	Parts .....	44
75	D.2.3	Relationships .....	45
76	D.2.4	OPC Core Features.....	45
77	D.2.5	OPC Additional features.....	46
78	D.3	Creation and Handling of FDI Packages .....	46
79	D.4	FDI Device Package Example .....	47
80	D.4.1	Overview.....	47
81	D.4.2	User Interface Plug-in .....	52
82	D.4.3	EDD reference to UIP .....	55
83	D.4.4	FDI Registration Certificate .....	56
84	Annex E (normative)	FDI Package Catalog Schema .....	57
85	E.1	Target Namespace .....	57
86	E.2	Catalog .....	57

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87	E.3	ClassificationIdT .....	57
88	E.4	CommunicationProfileT .....	57
89	E.5	CommunicationRoleT .....	57
90	E.6	CommunicationServerT .....	58
91	E.7	DeviceTypeT .....	58
92	E.8	FdiRegistrationCert .....	59
93	E.9	FdiRegistrationCertT .....	59
94	E.10	InterfaceT .....	60
95	E.11	ListOfCommunicationProfilesT .....	61
96	E.12	ListOfDeviceImagesT .....	61
97	E.13	ListOfDeviceTypesT .....	61
98	E.14	ListOfDocumentsT .....	62
99	E.15	ListOfInterfacesT .....	62
100	E.16	ListOfLocalizedStringsT .....	63
101	E.17	ListOfProtocolSupportFilesT .....	63
102	E.18	ListOfRegDeviceTypesT .....	64
103	E.19	ListOfRegistrationsT .....	64
104	E.20	ListOfSupportedDeviceRevisionsT .....	64
105	E.21	ListOfSupportedUipsT .....	65
106	E.22	ListOfUipVariantsT .....	65
107	E.23	LocalizedStringT .....	66
108	E.24	PackageT .....	66
109	E.25	PackageTypeT .....	67
110	E.26	PlatformT .....	67
111	E.27	RegDeviceTypeT .....	68
112	E.28	RegistrationT .....	68
113	E.29	RelationshipIdT .....	69
114	E.30	String256T .....	69
115	E.31	SupportedUipT .....	69
116	E.32	UipCatalog .....	70
117	E.33	UipStyleT .....	70
118	E.34	UipT .....	70
119	E.35	UipVariantT .....	71
120	E.36	UuidT .....	72
121	E.37	VersionSupportedT .....	72
122	E.38	VersionT .....	72
123	Annex F (normative) Communication protocol specific profiles .....		74
124	Annex G (informative) FDI Package life-cycle use cases .....		75
125	F.1	New Device Type .....	75
126	F.2	Replacement of Device .....	75
127	F.3	Firmware enhancements .....	75
128	F.4	FDI Package life-cycle policies .....	76
129	F.5	FDI Package update .....	76
130	F.6	FDI Package upgrade .....	76

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131	F.7	FDI Package replacement/exchange .....	76
132	F.8	FDI Package uninstallation .....	76
133	Annex H (normative)	Health Status Method .....	78
134	H.1	Background .....	78
135	H.2	Device Health Status Model .....	78
136	H.3	Standard EDD Method signature .....	78
137	H.4	Performance considerations .....	79
138	Annex I (normative)	Modular devices .....	80
139	H.5	Concept .....	80
140	H.6	EDDL usage profile .....	80
141	H.7	Processing recommendations .....	81
142	H.7.1	Monolithic device with device variants .....	81
143	H.7.2	Remote IOs .....	81
144	H.7.3	How to identify the top level topology element .....	81
145	H.7.4	Packaging details example .....	81
146	Annex J (normative)	FDI Communication Packages for FDI Communication Server .....	83
147	H.8	General .....	83
148	H.9	Protocol Support File .....	83
149	H.10	CommunicationProfile definition .....	83
150	H.11	Profile Device .....	83
151	H.12	Protocol version information .....	83
152	H.13	Associating a Package with an FDI Communication Server .....	83
153	H.14	Handling of Catalog elements .....	83
154	H.15	Example .....	84
155	Annex K (normative)	FDI Profile for EDDs .....	85
156	K.1	Overview .....	85
157	K.2	Entry Point to Online handling .....	85
158	K.3	Entry Point to Offline handling .....	85
159	K.4	Non-interactive Upload and Download .....	85
160	K.5	Interactive Download .....	85
161	K.6	Interactive Upload .....	85
162	K.7	Initial Data Set .....	85
163	K.8	Method GetHealthStatus .....	85
164	K.9	Actions .....	86
165	K.9.1	Pre- and Post-Read Actions .....	86
166	K.9.2	Pre- and Post-Write Actions .....	86
167	K.9.3	Refresh Actions on Variables .....	86
168	K.9.4	Actions on BIT_ENUMERATION .....	86
169	K.10	Shared files .....	86
170	Annex L (normative)	FDI Package Documentation Catalog Schema .....	87
171	L.1	Target Namespace .....	87
172	L.2	ListOfDocumentMetadataT .....	87
173	L.3	DocumentMetadataT .....	87
174	Annex M (normative)	FDI Package Feature Table Schema .....	89

175	L.4	Target Namespace .....	89
176	L.5	FeatureTableT.....	89
177	L.6	Feature .....	89
178	L.7	FeatureProvidedByPackage.....	89
179	L.8	UnitConversion.....	90
180		Bibliography .....	91
181			
182		Figure 1 – FDI architecture diagram .....	12
183		Figure 2 – FDI Package Model .....	15
184		Figure 3 – Architectural mapping.....	15
185		Figure 4 – User Interface Plug-in Reference Model .....	17
186		Figure 5 – Multiple FDI Packages referencing a common UIP.....	18
187		Figure 6 – FDI Device Package .....	19
188		Figure 7 – FDI Communication Package.....	20
189		Figure 8 – FDI UIP Package.....	20
190		Figure 9 – FDI Profile Package.....	21
191		Figure 10 – Device Function and Parameter sets (type and profile specific) .....	21
192		Figure 11 – Catalog Element.....	23
193		Figure 12 – User Interface Plug-in.....	25
194		Figure 13 – UIP Catalog.....	26
195		Figure 14 – FDI Registration Certificate .....	30
196		Figure 15 – Version Hierarchy .....	32
197		Figure 16 – UIP Version Support concept.....	34
198		Figure 17 – FDI Package signing.....	35
199		Figure B.1 – Tools used for FDI Package development.....	39
200		Figure D.1 – Parts and relationships in a package.....	44
201		Figure D.2 – Creating an FDI Package with the content files .....	47
202		Figure D.3 – FDI Device Package Example .....	48
203		Figure D.4 – User Interface Plug-in Example (fancytrend.uip).....	53
204		Figure I.1 – Modular device's package .....	80
205			
206		Table 1 – UIP Platform Capabilities .....	17
207		Table 2 – Package Catalog Part .....	23
208		Table 3 – Package Feature Table Part .....	24
209		Table 4 – EDD part .....	24
210		Table 5 – User Interface Plug-in part.....	25
211		Table 6 – UIP Catalog Part.....	27
212		Table 7 – UIP Variant Part .....	27
213		Table 8 – Image Part.....	27
214		Table 9 – Documentation Part .....	28

215	Table 10 – Documentation Catalog Part .....	28
216	Table 11 – Protocol Support File Part .....	29
217	Table 12 – FDI Registration Certificate Part .....	29
218	Table 13 – Versioned Elements .....	31
219	Table 14 – Influence on FDI Package Version .....	32
220	Table A.1 – FDI Package Naming Convention .....	37
221	Table D.1 – Examples of standard MIME media types that can be used in FDI packages .....	45
222	Table D.2 – Examples of FDI-custom MIME media types that can be used in FDI Packages .....	46
223	Table E.2 – Elements of CommunicationServerT .....	58
224	Table E.2 – Elements of DeviceTypeT .....	59
225	Table E.3 – Elements of FdiRegistrationCertT .....	60
226	Table E.4 – Elements of InterfaceT .....	60
227	Table E.5 – Elements of ListOfCommunicationProfilesT .....	61
228	Table E.6 – Elements of ListOfDeviceImagesT .....	61
229	Table E.7 – Elements of ListOfDeviceTypesT .....	62
230	Table E.8 – Elements of ListOfDocumentsT .....	62
231	Table E.9 – Elements of ListOfInterfacesT .....	63
232	Table E.10 – Elements of ListOfLocalizedStringsT .....	63
233	Table E.11 – Elements of ListOfProtocolSupportFilesT .....	63
234	Table E.12 – Elements of ListOfRegDeviceTypesT .....	64
235	Table E.13 – Elements of ListOfRegistrationsT .....	64
236	Table E.14 – Elements of ListOfSupportedDeviceRevisionsT .....	65
237	Table E.15 – Elements of ListOfSupportedUipsT .....	65
238	Table E.16 – Elements of ListOfUipVariantsT .....	65
239	Table E.17 – Attributes of LocalizedStringT .....	66
240	Table E.18 – Elements of PackageT .....	66
241	Table E.19 – Enumerations of PackageTypeT .....	67
242	Table E.20 – Enumerations of PlatformT .....	68
243	Table E.21 – Elements of RegDeviceTypeT .....	68
244	Table E.22 – Elements of RegistrationT .....	69
245	Table E.23 – Elements of SupportedUipT .....	70
246	Table E.24 – Enumerations of UipStyleT .....	70
247	Table E.25 – Elements of UipT .....	71
248	Table E.26 – Elements of UipVariantT .....	71
249	Table F.1 – Communication protocol interest groups (alphabetical order) .....	74
250	Table G.3– Device Replacement Guidelines .....	75
251	Table G.4 – Firmware enhancement guidelines .....	76
252	Table H.1 – Health Status State .....	78
253	Table J.1 – Catalog Mapping .....	83

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254	Table J.2 – Handling of Catalog elements .....	83
255	Table L.1 – Elements of ListOfDocumentsMetadataT .....	87
256	Table L.2 – Enumerations of DocumentMetadataT .....	88
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# INTERNATIONAL ELECTROTECHNICAL COMMISSION

## FIELD DEVICE INTEGRATION (FDI) –

### Part 4: FDI Packages

#### FOREWORD

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This third edition cancels and replaces the second edition published in 2021. This edition constitutes a technical revision.

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This edition includes the following significant technical changes with respect to the previous edition:

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- a) added DocumentClass to Package Schema, Description of Feature Table and Documentation Catalog, individual schemas for Feature Table and Package Documentation Catalog, schema for UnitConversion, interactive download to device, and Feature Unit Conversion;
- b) moved DocumentClass to Package Documentation Catalog Schema;
- c) updated Description of Feature Table updated XML schema for Feature Table.

308 The text of this International Standard is based on the following documents:

Draft	Report on voting
XX/XX/FDIS	XX/XX/RVD

309

310 Full information on the voting for its approval can be found in the report on voting indicated in the above  
311 table.

312 The language used for the development of this International Standard is English.

313 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance  
314 with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at  
315 [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in  
316 greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

317 The committee has decided that the contents of this document will remain unchanged until the stability  
318 date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific  
319 document. At this date, the document will be

- 320 • reconfirmed,
- 321 • withdrawn,
- 322 • replaced by a revised edition, or
- 323 • amended.

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# FIELD DEVICE INTEGRATION (FDI) – Part 4: FDI Packages

## 1 Scope

This part of IEC 62769 specifies the FDI Packages. The overall FDI architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this figure.

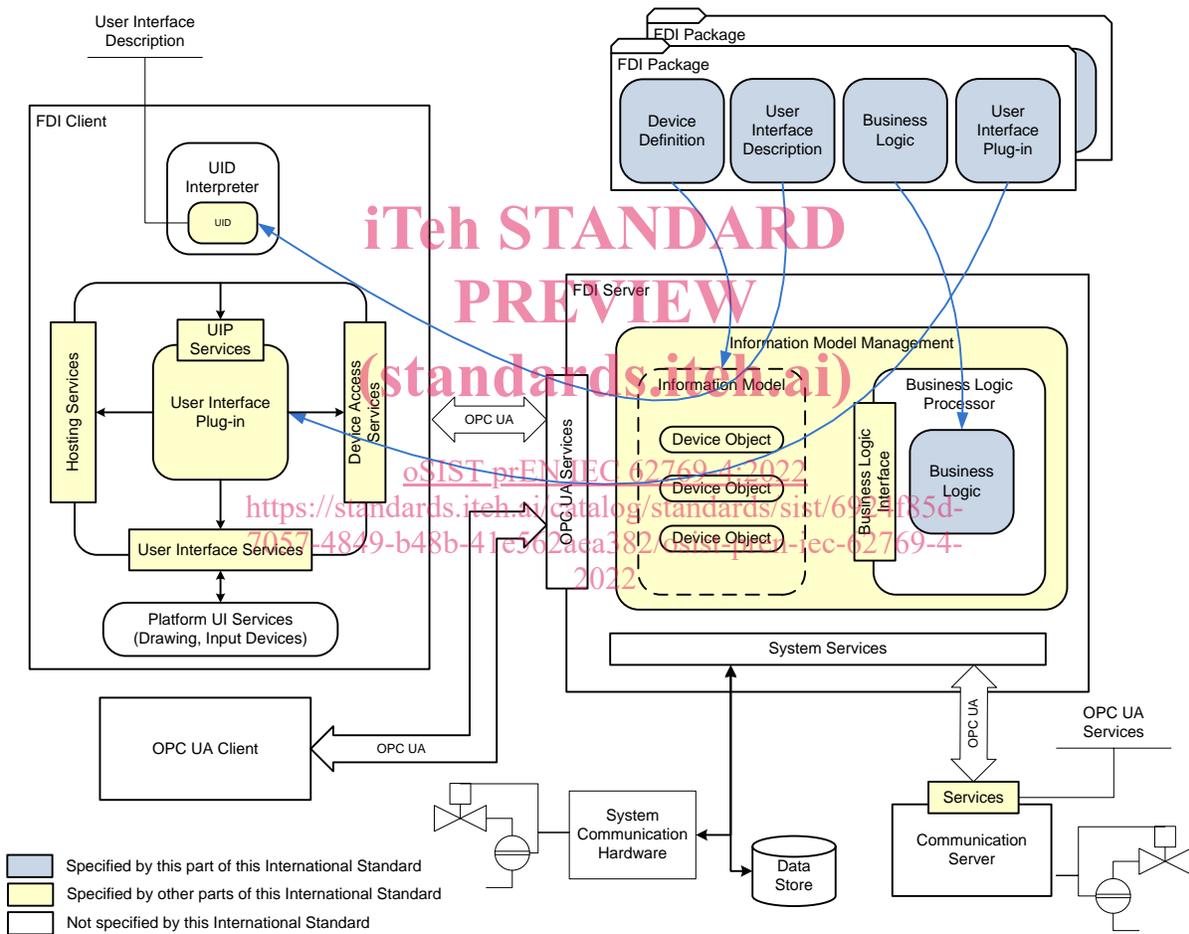


Figure 1 – FDI architecture diagram

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

342 IEC 61804-3, Function blocks (FB) for process control and Electronic Device Description Language  
343 (EDDL) – Part 3: EDDL syntax and semantics

344 IEC 61804-5:2020, Function blocks (FB) for process control and Electronic Device Description Language  
345 (EDDL) – Part 5: EDDL Builtin library

346 FCG TS10099, *Field Device Integration (FDI) – Technology Management*

347 IEC 62769-1, Field Device Integration (FDI) – Part 1: Overview

348 IEC 62769-2, Field Device Integration (FDI) – Part 2: FDI Client

349 IEC 62769-5, Field Device Integration (FDI) – Part 5: FDI Information Model

350 IEC 62769-6, Field Device Integration (FDI) – Part 6: FDI Technology Mapping

351 IEC 62769-7, Field Device Integration (FDI) – Part 7: FDI Communication Devices

352 ISO/IEC 11578, Information technology – Open Systems Interconnection – Remote Procedure Call (RPC)

353 ISO/IEC 29500-2:2011, Information technology – Document description and processing languages –  
354 Office Open XML File Formats – Part 2: Open Packaging Conventions

355 ISO 639-1, Codes for the representation of names of languages – Part 1: Alpha-2 code

356 ISO 32000-1, Document management – Portable document format – Part 1: PDF 1.7

357 Dublin Core Metadata Initiative: DCMI Metadata Terms, 2020

### 358 **3 Terms, definitions, abbreviated terms and acronyms**

#### 359 **3.1 Terms and definitions**

360 For the purposes of this document, the terms and definitions given in IEC 62769-1, ISO/IEC 29500-2, and  
361 the following apply.

##### 362 **3.1.1**

##### 363 **attachment**

364 device and protocol specific support files that are not directly used to integrate the Device into the system

##### 365 **3.1.2**

##### 366 **FDI Communication Package**

367 FDI Package that provides information to integrate an FDI Communication Server to an FDI Server

368 Note 1 to entry: This note applies to the French language only.

369

##### 370 **3.1.3**

##### 371 **FDI Device Package**

372 FDI Package that provides one or more device types to an FDI Server

373 Note 1 to entry: This note applies to the French language only.

##### 374 **3.1.4**

##### 375 **FDI Package Model**

376 description of the structure and elements of an FDI Package

377 Note 1 to entry: This note applies to the French language only.